

## WHITE RIVER BASIN

07052152 WILSON CREEK NEAR BROOKLINE, MO  
(Ambient water-quality monitoring network)

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°09'07", long 93°22'18", in NE 1/4 SW 1/4 SE 1/4 sec.7, T.28 N., R.22 W., Greene County,  
Hydrologic Unit 11010002.

DRAINAGE AREA.--44.6 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1993 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (000061)	TEMPER-ATURE WATER (DEG C) (000010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (000095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (mg/L) (00340)	COLI-FORM, FECAL, 0.7 µm-MF (COLS./100 mL) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA-LINITY WAT WH TOT FET FIELD (mg/L as CaCO <sub>3</sub> ) (00410)
NOV 1996											
06...	0845	37	20.5	1160	7.55	14.3	159	--	K32	42	202
JAN 1997											
22...	1415	77	15.5	1310	7.42	16.9	173	59	K111	K31	146
MAR											
05...	1600	62	14.0	858	7.27	15.8	155	--	K7500	K6700	188
APR											
16...	1015	84	17.0	898	7.48	15.5	158	--	120	K140	185
JUN											
26...	0800	36	24.0	1180	7.49	14.3	170	40	K727	330	154
AUG											
11...	1110	32	25.5	1390	7.47	13.3	162	--	64	93	141

DATE	BICAR- BONATE WATER WH IT FIELD (mg/L as HCO <sub>3</sub> ) (000450)	CAR- BONATE WATER WH IT FIELD (mg/L as CO <sub>3</sub> ) (000447)	NITRO- GEN, NO <sub>2</sub> +NO <sub>3</sub> TOTAL (mg/L as N) (000630)	NITRO- GEN, NITRITE TOTAL (mg/L as N) (000615)	NITRO- GEN, AMMONIA TOTAL (mg/L as N) (000610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (mg/L as N) (000625)	PHOS- PHORUS TOTAL (mg/L as P) (000665)	PHOS- PHORUS ORTHO TOTAL (mg/L as P) (000665)	HARD- NESS TOTAL (mg/L as CaCO <sub>3</sub> ) (000900)	CALCIUM DIS- SOLVED (mg/L as Ca) (000915)
NOV 1996										
06...	246	0	10.0	<0.010	0.030	0.97	4.30	4.30	--	--
JAN 1997										
22...	179	0	6.5	0.060	0.150	1.2	2.30	2.20	180	64
MAR										
05...	230	0	5.2	0.110	0.150	3.9	2.50	1.30	--	--
APR										
16...	226	0	7.6	0.040	0.180	1.6	2.90	3.00	--	--
JUN										
26...	162	0	12.0	0.010	0.100	1.3	3.70	3.70	180	57
AUG										
11...	172	0	13.0	<0.010	0.030	1.5	4.10	3.80	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (mg/L as Mg) (000925)	SODIUM, DIS- SOLVED (mg/L as Na) (000930)	POTAS- SIUM, DIS- SOLVED (mg/L as K) (000935)	SULFATE DIS- SOLVED (mg/L as SO <sub>4</sub> ) (000945)	CHLO- RIDE, DIS- SOLVED (mg/L as Cl) (000940)	FLUO- RIDE, DIS- SOLVED (mg/L as F) (000950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (000950)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (mg/L) (000530)	ALUM- INUM, TOTAL RECOV- ERABLE (µg/L as Al) (01105)	ALUM- INUM, DIS- SOLVED (µg/L as Al) (01106)
JAN 1997										
22...	6.0	160	10	99	190	0.60	744	3	40	13
JUN										
26...	8.4	150	15	97	150	0.70	720	10	40	11

DATE	CADMIUM TOTAL RECOV- ERABLE (µg/L as Cd) (01027)	CADMIUM DIS- SOLVED (µg/L as Cd) (01025)	COPPER, DIS- SOLVED (µg/L as Cu) (01040)	IRON, DIS- SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV- ERABLE (µg/L as Pb) (01051)	LEAD, DIS- SOLVED (µg/L as Pb) (01049)	MANGA- NESE, DIS- SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV- ERABLE (µg/L as Hg) (01092)	ZINC, TOTAL RECOV- ERABLE (µg/L as Zn) (01092)	ZINC, DIS- SOLVED (µg/L as Zn) (01090)
JAN 1997										
22...	<1	<1.0	1.9	30	3	2.0	45	<0.10	50	45
JUN										
26...	<1	<1.0	4.2	60	2	1.0	13	<0.10	50	53

K--Results based on colony count outside the acceptable range (non-ideal colony count).